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PLANTS MAKE IMPROVED FARM MACHINERY

NEW FARM MACHINES IN SLAVONIA -- Borba, No 71, 24 Mar 49

Hundreds of Vila 3 plows, one of which has been on exhibition at the Prague Spring Fair, have been manufactured at the foundry in Osijek in Slavonia this year. Two and one-half times more plows will be made there this year than last. The new plows are attracting attention because of their simplicity, lightness and solid construction.

In 1948 the foundry manufactured two series of motor presses for hay and straw, the first ones to be made in Yugoslavia. The factory is swamped with orders for these presses.

Best planters, corn planters and combination planters for grain which sow seed and spread manure simultaneously, power corn grinders, and power hay rakes are being produced at the foundry. Four kinds of grain sowers, which plant grain in 12, 14, 16 or 18 rows, are under production. About 1,200 percent more of these sowers are being manufactured than before the war.

Power grinders and a certain new type of grain sower will be produced during 1949 from prototypes shown at the Prague fair.

Three-row planters for corn and beans or corn and pumpkin seed and two-row planters for corn which can be drawn by a single horse are now in production.

Two somewhat similar types of potato planters have been developed at the foundry. A month ago, the design for the first Yugoslav horse-drawn hay rake was completed. The first of these rakes have already been tested. They are lighter and more convenient to operate than foreign models. They will be serially produced during the first half of 1949.

Ninety percent of the parts for the prototypes of a Universal tractor-drawn cultivator have been completed. This cultivator can be adjusted for corn, sugar beets, beans, potatoes, and many other plants. Plans for a tractor-drawn sower are now being completed, and the prototypes of a spreader for chemical fertilizer and of a combination threshing machine for sunflowers and corn have been finished.

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FARM MACHINE FACTORY IN VOJVODINA -- Borba, No 71, 24 Mar 49

New sowers, cultivators, plows, binders, selectors, threshing machines, horse-drawn rakes, and other farm machines will be produced this year for the first time in Yugoslavia, at the new "Pobeda" Farm Machinery Factory, in Novi Sad in the Vojvodina. At this factory, which began operations in 1948, selectors (farm machines for cleaning grain seed) are now being serially produced for the first time in Yugoslavia. Designs have been completed at this plant for mowers, another new item in Yugoslavia.

This factory has taken over the "Vojvodina" and "Vojvodjanska Livnica" (Vojvodina Foundry) farm machinery factories in Novi Sad, both of which still operate in their old buildings. The new factory, which is still under construction, is located well on the outskirts of Novi Sad where there is space for further expansion. One main hall with modern machinery is now in operation, and a foundry will begin operations very soon. The workers from the crowded and unhealthy "Vojvodjanska Livnica" will move into these modern quarters as soon as they are ready.

The new selectors are better than their counterparts made abroad because the machines are constantly being perfected. The use of cheap cast iron instead of bronze and taper castings for axle locks and crankshaft bearings has been started at the factory.

A model of a press is now being constructed, by which as many as 100,000 holes per square meter can be punched in drums for selectors by a few strokes, instead of by boring each hole individually, as is now being done.

NEW FARM MACHINES FROM ZEMUN PLANT -- Borba, No 71, 24 Mar 49

The new types of farm machinery to be serially produced at the "Zmaj" Factory in Zemun this year include reapers, binders, and elevators. Last year, small reapers, one of which cut 8,000 kilograms of wheat in 10 hours, were supplied by this factory to many rural districts. Such reapers are very satisfactory on muddy fields because of their lightness. The prototype of a large reapers which can mow 25,000 kilograms of grain in 10 hours has been made at this factory, and several such reapers have been delivered since production was initiated at the beginning of January.

Late in 1948, the production of plows for rice fields was begun, and by now enough have been manufactured to fill Yugoslav needs. A rotary cutter which does the work of 500 men in cutting canals has also been produced. It is now in use in the Vojvodina, with increased capacity, equipped with two rotors, will be manufactured this year. They will be particularly useful on the building sites of the Danube-Tisa-Danube Canal.

About 65 percent of the workers at the "Zmaj" Factory are teen-agers.

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